

Date: Fri, 18 Mar 94 04:30:19 PST
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #73
To: Ham-Digital

Ham-Digital Digest Fri, 18 Mar 94 Volume 94 : Issue 73

Today's Topics:

9k6 baud TheNet X-1J parameters?
 APRS v4.02
 BayPac to TM-241a
Best cars for mobile HF/VHF??
 DSP-12
 Heatkit HD-4040 TNC
Plans for DCD-3105 board
 SWEDEN CALLING DXERS
 TMS320 DSP Eval Kit

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 16 Mar 1994 18:50:17 +0000
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!demon!llondel.demon.co.uk!
dave@network.ucsd.edu
Subject: 9k6 baud TheNet X-1J parameters?
To: ham-digital@ucsd.edu

In article <CMpzps.7p3@avalon.chinalake.navy.mil> Jan A. Barglowski
<jan@archimedes.chinalake.navy.mil> writes:

>Hello all!

>

>I'm putting up a 9k6 baud TheNet node soon, and I'd like any
>suggestions as to the timing parameters that it should have.
>I know they should be different than 1200 baud, but I don't
>really have much experience with 9k6...

>

As a rough guide, TXDelay depends on your radio - you need to allow for the radio to key up (which can be anything from very small for a good PIN-switched xtal rig to very large for a grotty relay-switched synth rig) and for the RX modem to lock to the incoming signal.

For actual parameters, you can reduce FRACK and RESPTIME (sorry for using TNC2-speak but more people can relate to it) such that RESPTIME is slightly bigger than the time taken to send MAXFRAME packets and FRACK is slightly over twice this amount (to allow for MAXFRAME coming back and the RR frame).

If you have a **really** good dedicated link then you can try MAXFRAME larger than two, but watch the throughput and be prepared to tweak it until it works best.

The level 3/4 stuff is probably best left alone, especially if you need to interact with a 1200baud network, because the delays in that network will still be fairly significant.

>Another thing -- TheNet X-1J allows the use of MTU's larger
>than 255. Is this an advantage to TCP/IP users, and in
>particular 9K6 baud use, where the increased packet sizes
>could increase thruput?

>

Depends..... there is a warning about dire consequences of increasing the MTU so if you do it, be prepared for some interesting results!

Note that all of the above is applicable to (half duplex) links of any speed, not just 9600 (Full duplex is another matter entirely!) Basically, take them as a starting point and experiment for the best results. After all, that is partly why we are playing radio!

Dave

--

```
*****
* G4WRW @ GB7WRW.#41.GBR.EU AX25      * Start at the beginning. Go on *
* dave@llondel.demon.co.uk Internet * until the end. Then stop. *
* g4wrr@g4wrr.ampr.org Amprnet * (the king to the white rabbit) *
*****
```

Date: 16 Mar 1994 15:23:36 GMT
From: kb2ear.ampr.org!kb2ear!kb2ear@princeton.edu
Subject: APRS v4.02
To: ham-digital@ucsd.edu

I have uploaded aprs402.zip to ucsd.edu:/hamradio/packet/tcpip/incoming.

73,

--

Scott R. Weis KB2EAR

Internet: kb2ear@kb2ear.ampr.org

Snail Mail: 10 Palmer Rd., Kendall Park, NJ, 08824-1228

Phone: +1 908 297 0469

Date: 17 Mar 1994 02:53:48 GMT

From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!news.ysu.edu!yfn.ysu.edu!
ad848@network.ucsd.edu

Subject: BayPac to TM-241a

To: ham-digital@ucsd.edu

I have a BayPac Packet Modem and would like to hook it to my Kenwood TM-241a Mobile. I'm in need of the pin configuration to properly hook up the Packet Modem. The TM-241a has an 8-Pin mic connector.

Thx for any help anyone can offer! (Please reply via EMail)

...Jim (KB8NHT)

--

RONNA REEVES INTERNET DIGEST

Editor: Jim Evers
(JEVERS@DELPHI.COM)

| Official RONNA REEVES Fan Club:
| RONNA REEVES FAN CLUB
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Date: Thu, 17 Mar 94 10:59:57 GMT

From: ihnp4.ucsd.edu!agate!doc.ic.ac.uk!lyra.csx.cam.ac.uk!pavo.csi.cam.ac.uk!
pipex!uknet!uos-ee!ee.surrey.ac.uk!M.Willis@network.ucsd.edu

Subject: Best cars for mobile HF/VHF??

To: ham-digital@ucsd.edu

In article <CMIACE.D9C@hpmoca.sqf.hp.com>, dstock@hpmoca.sqf.hp.com (David Stockton) writes:

|>

|> I'm happy with my choice, a Diesel powered Range-Rover derivative
|> called a "Discovery"

|>

|> Give serious thought to Diesels, no ignition, no computers

|>

|>

|> David GM4ZNX

Yes, but at a mere 18,000 pounds not many can afford such a car. Practically, I found the Cavallier reasonable RF quiet. Fiat Uno, too noisy. Diesels are definately better, they have a bigger battery too.

Mike

Date: Thu, 17 Mar 1994 05:04:38 GMT
From: netcomsv!netcom.com!wroth@decwrl.dec.com
Subject: DSP-12
To: ham-digital@ucsd.edu

Bruce Hunt (cascade@iinet.com.au) wrote:
: Can someone please advise the latest available release number for the
: DSP-12. I have release 1.99

Hi Bruce,
Software support for the dsp 12 is badly lacking, but there is a newer version than you have. I took a look at my GCE display, which shows 2.00. However, I think there have been a bunch of beta versions between yours and mine. I searched my disk for a zip file, but I don't seem to have it now. If you cannot find it elsewhere, I may be able to locate it. Let me know via mail, and whether or not you can uudecode files.

73's,
Wayne
WA2N.

--

wroth@netcom.com

Date: Wed, 16 Mar 1994 17:43:34 GMT
From: iat.holonet.net!ctobbs!kim.leong@uunet.uu.net
Subject: Heatkit HD-4040 TNC
To: ham-digital@ucsd.edu

Well, after many years of inactivity, I have unburied the TNC I used to use when on packet. It is a Heathkit HD-4040 and I am curious to find out if any one knows whether or not it can be brought up to current standards.

Thank you very much,

Kim Leong WA6QQF
Internet: kleong@ctobbs.com
BBS: (510) 799-2921

Date: Wed, 16 Mar 1994 22:18:44 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!portal!combdyn!lawrence@network.ucsd.edu
Subject: Plans for DCD-3105 board
To: ham-digital@ucsd.edu

I have some TNCs and some baycom boards on my multiport Packet BBS.

I was reading through the manual for one of the TNCs (DRSI DPK-2), and it talks about a DCD board option that basically goes inbetween the TCM3105 chip and its socket.

Having DCD has shown itself to be nice with the Software DCD that the KPC-3 TNC does. I have problems with Intermod and frontend overload problems, etc.

Without having to buy the board itself, are there plans on how to build this DCD unit?

And, would anybody know if it would work on Baycom modems built around the same chip.

--

WORK: lawrence@combdyn.com | PHONE 403 529 2162 | FAX 529 2516 | VE6LKC
HOME: dreamer@lhaven.uumh.ab.ca | 403 526 6019 | 529 5102 | VE6PAQ

Praxis BBS - 529 1610 | CYSNET BBS - 526 4304 | Lunatic Haven BBS - 526 6957

disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

Date: 17 Mar 94 19:16:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: SWEDEN CALLING DXERS
To: ham-digital@ucsd.edu

Subject: Time:1:15 PM
OFFICE MEMO SWEDEN CALLING DXERS Date:3/17/94
Please god, no more "Media Scan SWEDEN CALLING DXERS" on Ham Digital!

Date: Thu, 17 Mar 1994 03:28:20 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
henrys@network.ucsd.edu
Subject: TMS320 DSP Eval Kit
To: ham-digital@ucsd.edu

If anybody has a Ti TMS320 DSK evaluation kit that they want to sell,
EMAIL me please.

Smitty, NA5K

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-----  
| Henry B. Smith - NA5K                               henrys@netcom.com |  
| Dallas, Texas                                         |  
|                                                       |  
| "I'm not sure I understand everything that I know"   |  
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End of Ham-Digital Digest V94 #73
